

Exhibit Name: Indemnity Calculations
Exhibit Number: P21-1, Plan 01
Record Name: Acreage Claim
Record Code: P21

Reinsurance Year: 2011
Version: Draft
Release Date: 8/4/2011

<u>Insurance Plan Code</u>		01 Yield Protection				
<u>Commodity Code</u>	0011 Wheat	0018 Rice	0041 Corn	0078 SunFlowers		
	0015 Canola	0021 Cotton	0051 Grain Sorghum	0081 Soybeans		
				0091 Barley		
<u>Calculations</u>	<u>Field Name</u>	<u>Record Number</u>	<u>Field Number</u>	<u>Field Format</u>	<u>Field Rounding</u>	<u>Rules</u>
Section 1: Stage Guarantee Calculation						
Guarantee Per Acre1 = Approved Yield * Coverage Level Percent	Guarantee Per Acre1	Internal		99999999.99	When Unit of Measure equals Pounds, "LBS", then Round to whole Number. When Unit of Measure equals Tons, "Tons", then Round to 2 decimals. Otherwise, Round to 1 decimal.	Common Crop Insurance Policy 'production guarantee (per acre)'.
	Approved Yield	P11	46	99999999.99	None	
	Coverage Level Percent	P14	34	9.9999	None	
Cottonseed Endorsement Option "SE": Modified Yield = Approved Yield * Option Conversion Factor	Modified Yield	Internal		99999999.99	Round to whole number.	Information (Approved Yield and Insured Share Percent) will be obtained from Cotton P11 record.
	Approved Yield	P11	46	99999999.99	None	
	Option Conversion Factor	ADM		9.9999	None	Edit with ADM Option Rate, "A01060".
Guarantee Per Acre1 = Modified Yield * Coverage Level Percent	Guarantee Per Acre1	Internal		99999999.99	Round to whole number.	
	Coverage Level Percent	P14	34	9.9999	None	
Acre Guarantee Per Acre2 = Guarantee Per Acre1 * Quantity Guarantee Adjustment Factor	Acre Guarantee Per Acre2 Quantity	P11 - Internal	46	99999999.99	When Unit of Measure equals Pounds, "LBS", then Round to whole Number. When Unit of Measure equals Tons, "Tons", then Round to 2 decimals. Otherwise, Round to 1 decimal.	
	Guarantee Adjustment Factor	P11	41	0.999	None	Guarantee Adjustment Factor would be for any initially late planted acres.

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Insurance Plan Code 01 Yield Protection						
Commodity Code 0011 Wheat 0018 Rice 0041 Corn 0078 SunFlowers 0015 Canola 0021 Cotton 0051 Grain Sorghum 0081 Soybeans 0091 Barley						
Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Price Election Amount = Projected Price * Price Election Percent	Price Election Amount	Internal		9999.999	When Commodity Code equals Barley, "0091", Corn, "0041", Cotton, "0021", Grain Sorghum, "0051", Soybeans, "0081" or Wheat, "0011"; round to nearest whole cent [\$9.99].	
	Projected Price	ADM		99999.9999	When Commodity Code equals Canola, "0015", Rice, "0018", Sunflowers, "0078"; round to nearest one-tenth cent [\$9.999].	Edit with ADM Price, "A00810". Contract Price may be used in Lieu of the Projected Price for specialty types of Soybeans or Barleys. If the insured chooses to use the contract price, the contract price per bushel should be entered in the contract price field. The contracted price will be capped by RMA at a certain percentage over the projected price for Soybeans and Barley as specified in the Special Provisions.
	Price Election Percent	ICE		9.9999	None	Edit with ICE Price Election Percent, "D00007".
Acre Stage Guarantee Amount = Acre Guarantee Per Acre2 Quantity * Price Election Amount	Acre Stage Guarantee Amount	P21-Internal	47	99999999.99	Round to nearest dollar and cents.	Not used in determination of Loss Guarantee Amount
	Price Election Amount	Internal-P11	49	9999.9999	see section 1	Common Crop Insurance Policy 'yield protection guarantee (per acre)'.
Section 2: Loss Guarantee Calculation						
Loss Guarantee Amount = Acre Stage Guarantee Amount Guarantee Per Acre2 * Price Election Amount * Liability Adjustment Factor	Loss Guarantee Amount	P21	46	99999999.99	Round to whole number-nearest dollar and cents.	
	Determined Acreage	P21	17	99999999.99	None	
	Liability Adjustment Factor	P21	38	9.999999	None	

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				0091 Barley		
Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Section 3: Indemnity Calculation						
Revenue Conversion Production to Count = Production to Count Quantity * Price Election Amount	Revenue Conversion Production to Count	Internal-P21	49	99999999.99	Round to whole number-nearest dollar and cents.	
	Production to Count Quantity	P21	34	99999999.99	None	
	Price Election Amount	Internal-P11	49	9999.9999	see Section 1	Price Election Amount calculated in Section 1
Unit Deficiency Quantity = Loss Guarantee Amount – Revenue Conversion Production to Count	Unit Deficiency Quantity	P21	45	99999999.99	Round to whole number-nearest dollar and cents.	
	Production to Count Quantity	P21	37	99999999.99	None	
Preliminary Indemnity Amount = Unit Deficiency Quantity * Insured Share Percent	Preliminary Indemnity Amount	P21	49	9999999999	Round to whole number.	
	Insured Share Percent	P11	47	9.999	None	
Indemnity Amount = Preliminary Indemnity Amount * Multiple Commodity Adjustment Factor	Indemnity Amount	P21	50	9999999999	Round to whole number.	
	Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063".
Total Indemnity	Σ Indemnity Amount for the Unit	Total Indemnity	Internal		9999999999	Round to whole number.
Replant Payment for Yield Protection, "01"						
Section 4: Replant Payment Stage Guarantee Calculation						
When Stage Code equals Replanted, "R", Replanted Seed, "RS", Replanted Transplant, "RT"						
Guarantee Per Acre ¹ = Approved Yield * Coverage Level Percent	Guarantee Per Acre ¹	Internal		99999999.99	When Unit of Measure equals Pounds, "LBS", then Round to whole Number. When Unit of Measure equals Tons, "Tons", then Round to 2 decimals. Otherwise, Round to 1 decimal.	Common Crop Insurance Policy 'production guarantee (per acre)'.
	Approved Yield	P11	46	99999999.99	None	
	Coverage Level Percent	P14	34	9.9999	None	

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<u>Commodity Code</u>		0011 Wheat 0015 Canola	0018 Rice 0021 Cotton	0041 Corn 0051 Grain Sorghum	0078 SunFlowers 0081 Soybeans 0091 Barley	
<u>Calculations</u>	<u>Field Name</u>	<u>Record Number</u>	<u>Field Number</u>	<u>Field Format</u>	<u>Field Rounding</u>	<u>Rules</u>
Acre Guarantee Per Acre2 Quantity = Guarantee per Acre1 * Guarantee Adjustment Factor	Acre Guarantee Per Acre2 Quantity	Internal	101	99999999.99	When Unit of Measure equals Pounds, "LBS", then Round to whole Number. When Unit of Measure equals Tons, "Tons", then Round to 2 decimals. Otherwise, Round to 1 decimal.	
	Guarantee Adjustment Factor	P11	75	0.999	None	Guarantee Adjustment Factor would be for any initially late planted acres.
Price Election Amount = Projected Price * Price Election Percent	Price Election Amount	Internal		9999.999	When Commodity Code equals Barley, "0091", Corn, "0041", Cotton, "0021", Grain Sorghum, "0051", Soybeans, "0081" or Wheat, "0011", round to nearest whole cent [\$9.99]. When Commodity Code equals Canola, "0015", Rice, "0018", Sunflowers, "0078", round to nearest one-tenth cent [\$9.999].	
	Projected Price	ADM		99999.9999	None	Edit with ADM Price, "A00810". Contract Price may be used in Lieu of the Projected Price for specialty types of Soybeans or Barleys. If the insured chooses to use the contract price, the contract price per bushel should be entered in the contract price field. The contracted price will be capped by RMA at a certain percentage over the projected price for Soybeans and Barley as specified in the Special Provisions.
	Price Election Percent	ICE		9.9999	None	Price Election Percent would equal 1.00.

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<u>Calculations</u>		<u>Field Name</u>	<u>Record Number</u>	<u>Field Number</u>	<u>Field Format</u>	<u>Field Rounding</u>	<u>Rules</u>
Acre Stage Guarantee Amount = Lesser of: (20% of Acre Guarantee Per Acre2 Quantity) = OR (Maximum Replant Stage Guarantee Per Acre) * Price Election Amount	Acre Stage Guarantee Amount		P21-Internal	47	99999999.99	Round to 1 decimal nearest dollar and cents.	Not used in determination of Loss Guarantee Amount
	Price Election Amount		P11	49	99999.9999	None	Price Election Percent must equal 1.00 when Insurance Plan Code is Yield Protection, "01" or Revenue Protection, "02".
	Maximum Replant Stage Guarantee Per Acre		ICE				Edit with SPOI ICE "D00201129".
Section 5: Replant Payment Loss Guarantee Calculation							
Loss Guarantee Amount = Acre Stage Guarantee Amount Lesser of ((20% Guarantee Per Acre2) or Maximum Replant Guarantee Per Acre) * Price Election Amount * Determined Acreage * Liability Adjustment Factor	Loss Guarantee Amount		P21	46	99999999.99	Round to whole number nearest dollar and cents.	
	Determined Acreage		P21	17	99999999.99	None	
	Liability Adjustment Factor		P21	38	9.999999	None	
Section 6: Replant Payment Indemnity Calculation							
Preliminary Indemnity Amount = Loss Guarantee Amount * Insured Share Percent	Preliminary Indemnity Amount		P21	51	\$9999999999	Round to whole number.	
	Insured Share Percent		P11	48	9.999	None	
Indemnity Amount = Preliminary Indemnity Amount -	Indemnity Amount		P21	52	\$9999999999	Round to whole number.	
	Multiple Commodity Adjustment Factor		ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063".
Total Indemnity	Σ Indemnity Amount for the Unit		Total Indemnity	Internal		\$9999999999	Round to whole number.

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				0091 Barley		
<u>Calculations</u>		<u>Field Name</u>	<u>Record Number</u>	<u>Field Number</u>	<u>Field Format</u>	<u>Field Rounding</u>
Prevented Planting Payment for Yield Protection, "01".						
Section 7: Prevented Planting Payment Stage Guarantee Calculation						
When Stage Code equals: Prevented Planting Option 1, "P1", Prevented Planting Option 2, "P2", Prevented Planting Option 3, Harvested, "H3", Prevented Planting Option 3, Unharvested, "U3", Prevented Planting Uninsured Loss, "PU", Prevented Planting Add 10 Percent, "PT", Prevented Planting Add 5 Percent, "PF" Guarantee Per Acre1 = Approved Yield * Coverage Level Percent	Guarantee Per Acre1		Internal		99999999.99	When Unit of Measure equals Pounds, "LBS", then Round to whole Number. When Unit of Measure equals Tons, "Tons", then Round to 2 decimals. Otherwise, Round to 1 decimal. Common Crop Insurance Policy 'production guarantee (per acre)'.
	Approved Yield		P11	46	99999999.99	None
	Coverage Level Percent		P14	34	9.9999	None
Cottonseed Endorsement Option "SE": Modified Yield = Approved Yield * Option Conversion Factor	Modified Yield		Internal		99999999.99	Round to whole number.
	Approved Yield		P11	46	99999999.99	None
	Option Conversion Factor		ADM		9.9999	None
						Edit with ADM Option Rate, "A01060".
Guarantee Per Acre1 = Modified Yield * Coverage Level Percent	Guarantee Per Acre1		Internal		99999999.99	Round to whole number.
	Coverage Level Percent		P14	34	9.9999	None
Guarantee Per Acre2 = Guarantee per Acre1 * Guarantee Adjustment Factor	Guarantee Per Acre2		Internal	101	99999999.99	When Unit of Measure equals Pounds, "LBS", then Round to whole Number. When Unit of Measure equals Tons, "Tons", then Round to 2 decimals. Otherwise, Round to 1 decimal.
	Guarantee Adjustment Factor		P11	75	0.999	None

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Calculations		Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Prevented Planting Acre Stage Guarantee Amount = Production Guarantee Per Acre2 * Projected Price Election Amount * Prevented Planting Guarantee Adjustment Factor	Prevented Planting Acre Stage Guarantee Amount		P21-Internal	47	99999999.99	Round to nearest dollar and cents.	Common Crop Insurance Policy 'yield protecton guarantee (per acre)'. Not used in determination of Loss Guarantee Amount.
	Projected Price Election Amount		P11	49	99999.9999	None	Edit with ADM Price, "00810".
	Guarantee Adjustment Factor		P11	75	0.999	None	
Section 8: Prevented Planting Payment Loss Guarantee Calculation							
Loss Guarantee Amount = Prevented Planting Acre Stage Guarantee Amount - Guarantee Per Acre2 * Price Election Amount * Determined Acreage * Liability Adjustment Factor	Loss Guarantee Amount		P21	46	99999999.99	Round to whole number-nearest dollar and cents.	
	Determined Acreage		P21	17	99999999.99	None	
	Liability Adjustment Factor		P21	38	9.999999	None	
Section 9: Prevented Planting Payment Indemnity Calculation							
Preliminary Indemnity Amount = Loss Guarantee Amount * Insured Share Percent	Preliminary Indemnity Amount		P21	49	\$9999999999	Round to whole number.	
	Insured Share Percent		P11	47	9.999	None	
Indemnity Amount = Preliminary Indemnity Amount * Multiple Commodity Adjustment Factor	Indemnity Amount		P21	50	\$9999999999	Round to whole number.	
	Multiple Commodity Adjustment Factor		ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063".
Total Indemnity = Indemnity Amount for the Unit		Total Indemnity	Internal		\$99999999999	Round to whole number.	
Malting Barley Price and Quality Endorsement (Options MA and MB)							
Section 10: Malting Barley Stage Guarantee Calculation							
Production Guarantee Per Acre1 = (Approved Yield * Coverage Level Percent) * Guarantee Adjustment Factor	Production Guarantee Per Acre1		Internal		999999999.9	Round to 1 decimal.	
	Approved Yield		P11	46	99999999.99	None	Malting Barley Option A (MA) — Lesser of: MA Yield for Malt Barley OR APH Yield for Barley
	Coverage Level Percent		P14	34	9.9999	None	Malting Barley Option B (MB) — Lesser of: Contracted Bushels per Acre OR APH Yield for Barley
	Guarantee Adjustment Factor		P11	75	0.999	None	Common Crop Insurance Policy 'producer
Guarantee Per Acre2 = Guarantee per Acre1 * Guarantee Adjustment Factor	Guarantee Per Acre2		Internal	401	99999999.99	Round to 1 decimal.	
	Guarantee Adjustment Factor		P11	75	0.999	None	

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				0091 Barley		
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Price Election Amount = Additional Value Price						
	Price Election Amount	Internal		99999.999		<p>Malting Barley Option A (MA) - (1) The RMA issued Malting Barley Additional Value Price, or (2) Malting Barley price amount (Premium Amount) from a price agreement or a Malting Barley production contract that will be paid in addition to a specified barley futures price, or (3) The price per bushel from a price agreement or a malting barley production contract for malting barley less the barley Projected price. The additional value price is limited to \$1.25.</p> <p>Malting Barley Option B (MB) - (1) Malting barley price amount from a malting barley futures price, or (2) The price per bushel from a malting barley production contract for malting barley less the barley Projected Price. The additional value price is limited to \$2.00.</p>
Malting Barley Acre Stage Guarantee Amount Per Acre = Production Guarantee Per Acre2 * Price Election Amount	Malting Barley Acre Stage Guarantee Amount Per Acre	P21-Internal	47	999999999.99	Round to dollar and Cents	Common Crop Insurance Policy 'yield protection guarantee (per acre)'. Not used in determination of Loss Guarantee.
	Price Election Amount	P11	49	99999.9999	None	
Section 11: Malting Barley Loss Guarantee Calculation						
Loss Guarantee Amount = Malting Barley Acre Stage Guarantee Amount Per Acre * Guarantee Per Acre2 * Price Election Amount * Determined Acreage * Liability Adjustment Factor	Loss Guarantee Amount	P21	46	99999999.99	Round to whole number-nearest dollar and cents.	
	Determined Acreage	P21	17	99999999.99	None	
	Liability Adjustment Factor	P21	38	9.999999	None	

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Section 12: Malting Barley Indemnity Calculation							
Revenue Conversion = Production to Count Quantity * Price Election Amount	Revenue Conversion Production To Count		P21	43	99999999.99	Round to 2 decimals nearest dollar and cents.	
	Production to Count Quantity		P21	34	99999999.99	None	
	Price Election Amount		P11	49	99999.9999	None	
Unit Deficiency Quantity = Loss Guarantee Amount – Revenue Conversion Production to Count	Unit Deficiency Quantity		P21	45	\$99999999.99	Round to whole number-nearest dollar and cents.	
Preliminary Indemnity Amount = Unit Deficiency Quantity * Insured Share Percent	Preliminary Indemnity Amount		P21	49	\$9999999999	Round to whole number.	
	Insured Share Percent		P11	47	9.999	None	
Indemnity Amount = Preliminary Indemnity Amount * Multiple Commodity Adjustment Factor	Indemnity Amount		P21	50	\$9999999999	Round to whole number	
	Multiple Commodity Adjustment Factor		ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063".
Total Indemnity	Σ Indemnity Amount for the Unit		Total Indemnity	Internal	\$9999999999	Round to whole number.	